VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

	Date 8/16/10
Contract ID 090925-902	Job No. <u>J9B08011</u>
County Texas Rt. 60	Original Bid Cost \$423,143.00
Contractor L. Krupp Construction, Inc.	By Sean Kilian
Designed By	Phone (314) 280-0353
VECP# 10-86 (to be completed by C.O.)	VECP Or PDVECP
stage. We are proposing to not build a cross utilizing temporary barrier and standard traf	ssover and constructing the new bridge deck in one sover and to redeck the existing bridge in two stages fic control devices to complete the project at a cheaper ing westbound traffic to maintain two lanes throughout
2. Estimate of reduction in construction costs.	\$78,917.00
	8/23/10
	(date)
5. Deadline for issuing a change order to obtain a contract completion time or delivery schedule.	· · · · · · · · · · · · · · · · · · ·
9/3/10	
(date)	(effect)
6. Dates of any previous or concurrent submissio	n of the same proposal.
(date	e and/or dates)

- Additional Comments:		
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	D. C. D. L. W. T. L. W. D. E. L. A. L. M. D.	Tr ↓↓
**)	Portion Below This Line To Be Filled Out by MoDO	1 **
Comments:	Approvalre commeded	
	Submitted By Resident Engineer	26 Dugus-100 Date
Comments:	roval re commended	
Approval Recommended	Jose Stehn	<u>B/24/10</u> Date
Rejection Recommended	District Engineer	Date
Comments:		
Approval Recommended		
☐ Rejection Recommended	Federal Highway Administration Required for FHWA Full Oversight Projects	Date
Comments:	5/3/201P	
Approval	David D. Caras	9-20-10
Rejection	State Construction and Materials Engineer	Date

Proposi L. KRUI	al PP CONSTRUCTION, INC. Job Code: SMK - MoDOT Call 902 - Route 60 - VALUE ENGINEEI Description: Bridge deck removal and replacement on route 60 in			,
Line No		Quantity, Unit of Measure	Unit Price	Total Price.
0010	Subtotal Description REMOVAL OF IMPROVEMENTS	1.00 LS	5,000.00	5,000.00
0050	BRIDGE APPROACH SLAB	212.00 SQYD	35.00	7,420.00
. 0060	BRIDGE ANCHOR SECTION, 6 5 FT. POSTS	2.00 EA	2,100.00	4,200.00
0070	TRANSITION SECTION, 6.5 FT. POSTS	2.00 EA	400.00	800.00
0800	TYPE A CRASHWORTHY END TERMINAL	2.00 EA	2,200.00	4,400.00
0090	IMPACT ATTENUATOR (19 SAND BARRELS)	1.00 EA	5,000.00 ⁻	5,000.00
0100	REPLACEMENT SAND BARREL	5.00 EA	750.00	3,750.00
35	IMPACT ATTENUATOR (RELOCATION)	1.00 Each	1,000.00	1,000.00
0110	CONSTRUCTION SIGNS	386.00 SQFT	3.50	1,351.00
0120	ADVANCED WARNING RAIL SYSTEM	3.00 EA	95.00	285.00
0130	FLAG ASSEMBLY	36.00 EA	15.00	540.00
0140	CHANNELIZER (TRIMLINE)	85.00 EA	14.00	1,190.00
0150	TYPE III MOVEABLE BARRICADE	6.00 EA	135.00	810.00
0160	DIRECTIONAL INDICATOR BARRICADE	12.00 EA	25.00	300.00
0170	FLASHING ARROW PANEL	1.00 EA	400.00	400.00
0190	CHANGEABLE MESSAGE SIGN, COMM. FURNISHED	2.00 EA	1,500.00	3,000.00
0200	INSTALLING, 'DRIVE SMART' SIGN	2.00 EA	100.00	200.00
0210	INSTALL POINT OF PRESENCE 96 IN. X 48	2.00 EA	150.00	300.00
0220	TEMPORARY TRAFFIC BARRIER, CONT. FURN/RE	300.00 LF	25.00	7,500.00
0221	TEMP. TRAFF. BARRIER WITH ANCH. SYSTEM	130.00 LF	30.00	3,900.00
0222	RELOCATING TEMPORARY TRAFFIC BARRIER	300.00 LF	10.00	3,000.00
0223	RELOCATING TEMPORARY BARR, WITH ANCH, SYSTEM	130.00 LF	15.00	1,950.00
0230	MOBILIZATION	1.00 LS	59,000.00	59,000.00
34	PREFORMED REMOVABLE MARKING TAPE 4 IN., WHITE	1,000.00 LF	1.10	1,100.00
35	PREFORMED REMOVABLE MARKING TAPE 4 IN., YELLOW	1,000.00 LF	1.10	1,100.00
0240	4 IN. YELLOW ACRYLIC WATERBORNE PAINT	500.00 LF	1.00	500.00
0250	ACRYLIC WATERBORNE PAINT, 6 IN., WHITE	675.00 LF	1.00	675.00
0290	PAVEMENT MARKING REMOVAL	3,150.00 LF	0.40	1,260.00
0320	SEEDING - COOL SEASON MIXTURES	0.40 Acre	4,395.00	1,758.00
-0350	REMOVAL-OF EXISTING BRIDGE-DECKS	4,482.00 SQFT	7.00	31,374.00
0360	SLAB ON STEEL	498.00 SQYD	300.00	149,400.00
0370	SAFETY BARRIER CURB	252.00 LF	84.00	21,168.00
0380 /23/2010 9:1	SLAB DRAIN 10 AM Copyright@1989-2009 Hard Dollar Corp. A	18.00 EA	240.00	4,320.00 . 1 of 2

		GRAND TOTAL:	344,226.00
0390	NON-DESTRUCTIVE TESTING	41.00 LF 75.00	3,075.00
0381	MECHANICAL BAR SPLICE	330.00 Each 40.00	13,200.00
Line No	Description Substitution Subtotal Description	Proposal Quantity Unit of Measure Unit Price	Total Price

Submitted By: Sean Kilian
Project Manager
L. Krupp Construction, Inc.
(314) 280-0353

Signed:

(314) 280-0353

Title:

August 25, 2010

Missouri Dept. of Transportation Willow Springs Project Office P.O. Box 345 Willow Springs, MO 65793 Attn: Phill Knott, R.E.

RE: MoDOT Job #J9B0801I, Krupp Job #SK09415

Route 60, Texas County Contract ID 090925-902

Dear Mr. Knott:

As per your request, I am submitting the following revised bridge construction plans for your consideration:

- Stage 1: For stage one, we will route all traffic onto the right side of the bridge. We will utilize temporary traffic barrier placed 12' from the existing bridge barrier. We will sawcut the existing deck one foot outside of the temporary traffic barrier and remove the entire bridge deck left of that line. We will construct the left side of the bridge from the outside edge to the crown of the slab which is 16'4.5" wide. For the outside overhangs, we will utilize standard overhang brackets hung from Dayton C-25HD hangers. The right overhang dimension will be 5'6" from the centerline of girder #2. For this overhang, we will utilize Dayton C-89L Heavy Duty brackets hung from Dayton C-25HD hangers due to the dimension.
- Stage 2: For stage two, the temporary barrier will be moved 1' left of the stage 1 construction joint (roadway crown). The remainder of the bridge deck will be removed and reconstructed to a width of 24'4.5". As with the first stage, the exterior overhangs will utilize standard overhang brackets hung from Dayton C-25HD hangers. Due to the smaller dimension on this stage, the interior overhangs will be constructed in the same manner.

We are proposing to use mechanical splices for the reinforcing steel to connect the two stages together.

Attached is a drawing that shows dimensions for each stage as described above.

If you have any questions regarding this, please contact me at (314) 280-0353.

Sincerely,

Sean Kilian \
Project Manager

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

Æ	Bridge/Structure/Footings	
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- □ Drainage Structures (RCP, RCB, CMP's, ect.)
- □ TCP/MOT
- □ Paving (PCCP, ect.)
- □ Grading/MSE Walls
- □ Signal/Lighting/ITS
- □ Misc.

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

EB BRIDGE DECK ON US 60 WILL BE REDECKED IN TWO STAGES,
INSTEAD AND OF ONE. THIS WILL ALLOW WB TWO LANES TO REMAIN OPEN
AND ONE EB LANE CLOSED DURING CONSTRUCTION, INSTEAD OF HEAD-TO-HEAD
TRAFFEC IN WB LANES. CROSSOVER WORK WILL BE ELIMINATED.

ONLY DRAWBACK - CALENDAR DAYS FOR MOREOSED FROM 50 TO 75

AND COMPLETION DATE PUSHED BACK 15 DASS.

(5PD)

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database	. If
there are special instructions, make note of them here.	